

Att'y Dkt. No.
US-1380

U.S. App. No: 10/019,284

IN THE CLAIMS:

Kindly rewrite Claims 1-3 and add claims 4-7 as follows, in accordance with 37 C.F.R. § 1.121:

1.(currently amended) ~~[[A]] An isolated protein defined in the following (A) or (B):~~

~~(A) a protein which has selected from the group consisting of the amino acid sequence of SEQ ID NO: 2, or a variant of the amino acid sequence of SEQ ID NO: 2 which has homology of 80% or more to the amino acid sequence of SEQ ID NO: 2, in Sequence Listing;~~

~~(B) a protein which has the amino acid sequence of SEQ ID NO: 2 in Sequence Listing including substitution, deletion, insertion, addition or inversion of one or several amino acids, and an activity for binding to sucrose.~~

2. (currently amended) ~~(currently amended) [[A]] An isolated DNA which encodes a protein defined in the following (A) or (B):~~

~~(A) a protein which has comprising the amino acid sequence of SEQ ID NO: 2 in Sequence Listing;~~

~~(B) a protein which has the amino acid sequence of SEQ ID NO: 2 in Sequence Listing including substitution, deletion, insertion, addition or inversion of one or several amino acids, and an activity for binding to sucrose.~~

3.(currently amended) The DNA according to claim 2, which is a DNA defined in the following (a) or (b):

~~(a) a DNA which contains comprises the nucleotide sequence of the nucleotides 3779 to 5761 of SEQ ID NO: 1 in Sequence Listing;~~

~~(b) a DNA which is hybridizable with a nucleotide sequence containing the nucleotide sequence of the nucleotides 3779 to 5761 of SEQ ID NO: 1 in Sequence Listing under stringent conditions, and encodes a protein having an activity for binding to sucrose.~~

4.(new) An isolated DNA which hybridizes with the nucleotide sequence of the nucleotides 3779 to 5761 of SEQ ID NO: 1 under stringent conditions, and which encodes a protein having an activity for binding to sucrose, wherein the stringent

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conditions comprise washing at a salt concentration corresponding to 1 x SSC, 0.1% SDS, at 60°C.

5.(new) The DNA according to claim 4, wherein the DNA encodes the protein having homology of 80% or more to the amino acid sequence of SEQ ID NO: 2.

6.(new) The DNA according to claim 4, wherein the DNA encodes the protein having homology of 90% or more to the amino acid sequence of SEQ ID NO: 2.

7.(new) The DNA according to claim 4, wherein the DNA encodes the protein having homology of 95% or more to the amino acid sequence of SEQ ID NO: 2.